

SEQUENCE LISTING

<110> Sims, John

<120> FIL-1 THETA DNAs AND POLYPEPTIDES

<130> 2976-B

<140> --to be assigned--

<141> 2001-01-25

<150> US 60/195,962

<151> 2000-04-11

<150> US 60/178,389

<151> 2000-01-27

<160> 21

<170> PatentIn version 3.0

<210> 1

<211> 339

<212> DNA

<213> Homo sapien

<400> 1

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atccaggggag ggagccgctg cctggcatgt gtggagacag aagaggggcc ttccctacag 120

ctggaggatg tgaacattga ggaactgtac aaaggtggtg aagaggccac acgcttcacc 180

ttcttccaga gcagctcagg ctccgccttc aggcttgagg ctgctgcctg gcctggctgg 240

ttcctgtgtg gccccggcaga gccccagcag ccagtagc tcaccaagga gagtgagccc 300

tcagcccgtta ccaagttta ctgttgaacag agctggtag 339

<210> 2

<211> 112

<212> PRT

<213> Homo sapiens

<400> 2

Lys	Ile	Cys	Ile	Leu	Pro	Asn	Arg	Gly	Leu	Ala	Arg	Thr	Lys	Val	Pro
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Ile	Phe	Leu	Gly	Ile	Gln	Gly	Gly	Ser	Arg	Cys	Leu	Ala	Cys	Val	Glu
								20					25	30	

Thr	Glu	Glu	Gly	Pro	Ser	Leu	Gln	Leu	Glu	Asp	Val	Asn	Ile	Glu	Glu
								35				40	45		

Leu	Tyr	Lys	Gly	Gly	Glu	Glu	Ala	Thr	Arg	Phe	Thr	Phe	Phe	Gln	Ser
								50				55	60		

Ser	Ser	Gly	Ser	Ala	Phe	Arg	Leu	Glu	Ala	Ala	Ala	Trp	Pro	Gly	Trp
								65				75	80		

Phe Leu Cys Gly Pro Ala Glu Pro Gln Gln Pro Val Gln Leu Thr Lys
85 90 95

Glu Ser Glu Pro Ser Ala Arg Thr Lys Phe Tyr Phe Glu Gln Ser Trp
100 105 110

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<213> Homo sapien

<220>
<221> CDS
<222> (1)...(456)

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Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala Asp
1 5 10 15

cag aag gct cta tac aca aga gat ggc cag ctg ctg gtg gga gat cct 96
Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp Pro
20 25 30

gtt gca gac aac tgc tgt gca gag aag atc tgc aca ctt cct aac aga 144
Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn Arg
35 40 45

ggc ttg gac cgc acc aag gtc ccc att ttc ctg ggg atc cag gga ggg 192
Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly
50 55 60

agc cgc tgc ctg gca tgt gtg gag aca gaa gag ggg cct tcc cta cag 240
Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln
65 70 75 80

ctg gag gat gtg aac att gag gaa ctg tac aaa ggt ggt gaa gag gcc 288
Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu Ala
85 90 95

aca cgc ttc acc ttc cag agc agc tca ggc tcc gcc ttc agg ctt 336
Thr Arg Phe Thr Phe Gln Ser Ser Gly Ser Ala Phe Arg Leu
100 105 110

gag gcc gct gcc tgg cct ggc tgg ttc ctg tgt ggc ccg gca gag ccc 384
Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro
115 120 125

cag cag cca gta cag ctc act aag gag agt gag ccc tca gcc cgt acc 432
Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg Thr
130 135 140

aag ttt tac ttt gaa cag agc tgg tag 459
Lys Phe Tyr Phe Glu Gln Ser Trp
145 150

<210> 4
<211> 152
<212> PRT

<213> Homo sapien

<400> 4

Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala Asp
1 5 10 15

Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp Pro
20 25 30

Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn Arg
35 40 45

Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly
50 55 60

Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln
65 70 75 80

Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Ala
85 90 95

Thr Arg Phe Thr Phe Phe Gln Ser Ser Ser Gly Ser Ala Phe Arg Leu
100 105 110

Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro
115 120 125

Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg Thr
130 135 140

Lys Phe Tyr Phe Glu Gln Ser Trp
145 150

<210> 5

<211> 21

<212> DNA

<213> Artificial

<220>

<223> DNA primer

<400> 5

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21

<210> 6

<211> 19

<212> DNA

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ctccagctgt aggaaagg 18

<210> 9
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<210> 10
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<210> 11
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<210> 12

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caggaaacag ctatgaccat

20

<210> 13

<211> 22

<212> DNA

<213> Artificial

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<223> DNA primer

<400> 13

ctattttaggt gacactatacg aa

22

<210> 14

<211> 538

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (29) .. (487)

<400> 14

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Met Cys Ser Leu Pro Met Ala Arg
1 5

52

tac tac ata atc aag gat gca cat caa aag gct ttg tac aca cgg aat
Tyr Tyr Ile Ile Lys Asp Ala His Gln Lys Ala Leu Tyr Thr Arg Asn
10 15 20

100

ggc cag ctc ctg ctg gga gac cct gat tca gac aat tat agt cca gag
Gly Gln Leu Leu Leu Gly Asp Pro Asp Ser Asp Asn Tyr Ser Pro Glu
25 30 35 40

148

aag gtc tgt atc ctt cct aac cga ggc cta gac cgc tcc aag gtc ccc
Lys Val Cys Ile Leu Pro Asn Arg Gly Leu Asp Arg Ser Lys Val Pro
45 50 55

196

atc ttc ctg ggg atg cag gga agt tgc tgc ctg gcg tgt gta aag
Ile Phe Leu Gly Met Gln Gly Ser Cys Cys Leu Ala Cys Val Lys
60 65 70

244

aca aga gag gga cct ctc ctg cag ctg gag gat gtg aac atc gag gac

292

Thr Arg Glu Gly Pro Leu Leu Gln Leu Glu Asp Val Asn Ile Glu Asp			
75	80	85	
cta tac aag gga ggt gaa caa acc acc cgt ttc acc ttt ttc cag aga			340
Leu Tyr Lys Gly Gly Glu Gln Thr Thr Arg Phe Thr Phe Phe Gln Arg			
90	95	100	
agc ttg gga tct gcc ttc agg ctt gag gct gct gcc tgc cct ggc tgg			388
Ser Leu Gly Ser Ala Phe Arg Leu Ala Ala Ala Cys Pro Gly Trp			
105	110	115	120
ttt ctc tgt ggc cca gct gag ccc cag cca gtg cag ctc acc aaa			436
Phe Leu Cys Gly Pro Ala Glu Pro Gln Gln Pro Val Gln Leu Thr Lys			
125	130	135	
gag agt gaa ccc tcc acc cat act gaa ttc tac ttt gag atg agt cgg			484
Glu Ser Glu Pro Ser Thr His Thr Glu Phe Tyr Phe Glu Met Ser Arg			
140	145	150	
taa ggagacataa ggctggggcc tcgtcttagtg cccccagtc gagatcttct t			538
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<211> 152			
<212> PRT			
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<400> 15			
Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Asp Ala His			
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Gln Lys Ala Leu Tyr Thr Arg Asn Gly Gln Leu Leu Gly Asp Pro			
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Asp Ser Asp Asn Tyr Ser Pro Glu Lys Val Cys Ile Leu Pro Asn Arg			
35	40	45	
Gly Leu Asp Arg Ser Lys Val Pro Ile Phe Leu Gly Met Gln Gly Gly			
50	55	60	
Ser Cys Cys Leu Ala Cys Val Lys Thr Arg Glu Gly Pro Leu Leu Gln			
65	70	75	80
Leu Glu Asp Val Asn Ile Glu Asp Leu Tyr Lys Gly Gly Glu Gln Thr			
85	90	95	
Thr Arg Phe Thr Phe Gln Arg Ser Leu Gly Ser Ala Phe Arg Leu			
100	105	110	
Glu Ala Ala Ala Cys Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro			
115	120	125	

Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Thr His Thr
130 135 140

Glu Phe Tyr Phe Glu Met Ser Arg
145 150

<210> 16
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<220>
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30

<210> 17
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30

<210> 18
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<400> 18
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<210> 19
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<210> 20
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30

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<223> Polypeptide

<400> 21

Arg Met Lys Gln Ile Glu Asp Lys Ile Glu Glu Ile Leu Ser Lys Ile
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Tyr His Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Ile Gly Glu
 20 25 30

Arg